

WHAT IS CLAIMED IS:

1. A computer-based method of administering an assessment, comprising steps of:

- receiving a request for said assessment;
- presenting a test corresponding to said requested assessment; and
- deriving a dynamic question for inclusion from an electronic archive for inclusion in said test, said dynamic question including a stem question and one of a stem question formula, a stem question range, a stem question variable, and a stem question constant.

2. The method of Claim 1, wherein said test also includes a static question.

3. The method of Claim 1, wherein said step of receiving a request comprises: receiving and storing a user identification and an assessment identifier.

4. The method of Claim 3, wherein said assessment identifier comprises at least one of:

- an assessment topic;
- an assessment sub-topic;
- an assessment level;
- a knowledge goal; and
- a knowledge self-assessment.

5. The method of Claim 3, wherein said step of presenting a test comprises: dynamically creating said test from said electronic archive in correspondence with a predetermined test creation rule, said predetermined test creation rule configured to enable a

correlation between a test characteristic and one of said user identification and said assessment identifier.

6. The method of Claim 5, wherein said test characteristic comprises:

a test duration;

a number of questions;

a test difficulty level;

a question sequence; and

a question grouping.

7. The method of Claim 5, wherein said step of presenting a test comprises:

incorporating said stem question and one of said stem formula, said stem question range, said stem question variable, and said stem question constant into said test in correspondence with a predetermined question selection rule, said predetermined question selection rule configured to enable a correlation between said stem question and said user identification and said assessment identifier.

8. The method of Claim 7, wherein said predetermined question selection rule is further configured to enable a correlation between said user identification and a previous test result.

9. The method of Claim 7, wherein said predetermined question selection rule is further configured to enable a correlation between said user identification and another question presented during a previous test.

10. The method of Claim 2, further comprising:  
evaluating an answer to one of said dynamic question and said static question to  
create said assessment; and  
providing one of said assessment and a recommendation to one of a test taker, a test  
creator, an employee manager, and a vendor, said recommendation corresponding to said  
assessment.

11. The method of Claim 10, wherein said step of providing one of said  
assessment and a recommendation comprises:  
providing said recommendation based on a predetermined recommendation selection  
rule, said predetermined recommendation rule configured to enable a correlation between an  
answer provided in response to said dynamic question to said recommendation.

12. The method of Claim 5, further comprising:  
creating said predetermined test creation rule; and  
storing said predetermined test creation rule in said electronic archive.

13. The method of Claim 7, further comprising:  
creating said predetermined question selection rule; and  
storing said predetermined question selection rule in said electronic archive.

14. The method of Claim 11, further comprising:  
creating said predetermined recommendation selection rule; and  
storing said predetermined recommendation selection rule in said electronic archive.

15. The method of Claim 1, further comprising:  
creating said stem question and one of said stem formula, said stem question range,  
said stem question variable, and said stem question constant; and  
storing said stem question and one of said stem formula, said stem question range,  
said stem question variable, and said stem question constant in said electronic archive.

16. The method of Claim 11, wherein said step of providing said recommendation  
based on a predetermined recommendation selection rule comprises:  
providing a recommendation to purchase a product.

17. The method of Claim 16, further comprising:  
receiving and storing payment information.

18. The method of Claim 10, further comprising:  
storing said answer to one of said dynamic question and said static question in the  
electronic archive.

19. The method of Claim 1, wherein  
said step of receiving a request for said assessment includes receiving a request for a  
group assessment and a group identifier; and  
said step of presenting a test corresponding to said requested assessment includes  
presenting a group assessment comprising a plurality of assessments, each of said plurality of  
assessments including one of  
a unique stem question,

a common stem question,  
a common stem question range,  
a common stem question variable, and  
a common stem question constant.

20. A system configured to perform an assessment, comprising:  
an input;  
a processor connected to said input; and  
a memory connected to one of said input and said processor, wherein said processor is configured to  
receive a request for said assessment;  
present a test corresponding to said requested assessment; and  
derive a dynamic question for inclusion from said memory for inclusion in  
said test, said dynamic question including a stem question and one of a stem question  
formula, a stem question range, a stem question variable, and a stem question constant.

21. The system of Claim 20, wherein said test also includes a static question.

22. The system of Claim 20, wherein said processor is further configured to  
receive and store a user identification and an assessment identifier.

23. The system of Claim 22, wherein said assessment identifier comprises at least  
one of:  
an assessment topic;  
an assessment sub-topic;

an assessment level;

a goal; and

a self-assessment.

24. The system of Claim 22, wherein said processor is further configured to dynamically create said test from said memory in correspondence with a predetermined test creation rule, said predetermined test creation rule configured to enable a correlation between a test characteristic and one of said user identification and said assessment identifier.

25. The system of Claim 24, wherein said test characteristic comprises:

a test duration;

a number of questions;

a test difficulty level;

a question sequence; and

a question grouping.

26. The system of Claim 24, wherein said processor is further configured to incorporate said stem question and one of said stem formula, said stem question range, said stem question variable, and said stem question constant into said test in correspondence with a predetermined question selection rule, said predetermined question selection rule configured to enable a correlation between said stem question and said user identification and said assessment identifier.

27. The system of Claim 26, wherein said predetermined question selection rule is further configured to enable a correlation between said user identification and a previous test result.

28. The system of Claim 26, wherein said predetermined question selection rule is further configured to enable a correlation between said user identification and another question presented during a previous test.

29. The system of Claim 21, said processor further configured to evaluate an answer to one of said dynamic question and said static question to create said assessment; and provide one of said assessment and a recommendation to one of a test taker, a test creator, an employee manager, and a vendor, said recommendation corresponding to said assessment.

30. The system of Claim 29, wherein said processor is further configured to provide said recommendation based on a predetermined recommendation selection rule, said predetermined recommendation rule configured to enable a correlation between an answer provided in response to said dynamic question to said recommendation.

31. The system of Claim 24, said processor further configure to: create said predetermined test creation rule; and store said predetermined test creation rule in said memory.

32. The system of Claim 26, said processor further configured to:

create said predetermined question selection rule; and

store said predetermined question selection rule in said memory.

33. The system of Claim 30, said processor further configured to:

create said predetermined recommendation selection rule; and

store said predetermined recommendation selection rule in said memory.

34. The system of Claim 20, said processor further configured to:

create said stem question and one of said stem formula, said stem question range, said stem question variable, and said stem question constant; and

store said stem question and one of said stem formula, said stem question range, said stem question variable, and said stem question constant in said memory.

35. The system of Claim 30, said processor further configured to provide a recommendation to purchase a product.

36. The system of Claim 35, said processor further configured to receive and store payment information.

37. The system of Claim 29, said processor further configured to store said answer to one of said dynamic question and said static question in the memory.

38. The system of Claim 20, said processor further configured to receive a request for a group assessment and a group identifier; and



present a group assessment comprising a plurality of assessments, each of said plurality of assessments including one of

- a unique stem question,
- a common stem question,
- a common stem question range,
- a common stem question variable, and
- a common stem question constant.

39. A computer program product configured to host instructions configured to enable a processor to

- receive a request for said assessment; and
- present a test corresponding to said requested assessment;
- derive a dynamic question for inclusion from a memory for inclusion in said test, said dynamic question including a stem question and one of a stem question formula, a stem question range, a stem question variable, and a stem question constant.

40. The computer program product of Claim 39, wherein said test also includes a static question.

41. The computer program product of Claim 39, further comprising instructions configured to enable the processor to receive and store a user identification and an assessment identifier.

42. The computer program product of Claim 41, wherein said assessment identifier comprises at least one of:

- an assessment topic;
- an assessment sub-topic;
- an assessment level;
- a goal; and
- a self-assessment.

43. The computer program product of Claim 41, further comprising instructions configured to enable the processor to

dynamically create said test from said memory in correspondence with a predetermined test creation rule, said predetermined test creation rule configured to enable a correlation between a test characteristic and one of said user identification and said assessment identifier.

44. The computer program product of Claim 43, wherein said test characteristic comprises:

- a test duration;
- a number of questions;
- a test difficulty level;
- a question sequence; and
- a question grouping.

45. The computer program product of Claim 43, further comprising instructions configured to enable the processor to

incorporate said stem question and one of said stem formula, said stem question range, said stem question variable, and said stem question constant into said test in correspondence

with a predetermined question selection rule, said predetermined question selection rule configured to enable a correlation between said stem question and said user identification and said assessment identifier.

46. The computer program product of Claim 45, wherein said predetermined question selection rule is further configured to enable a correlation between said user identification and a previous test result.

47. The computer program product of Claim 45, wherein said predetermined question selection rule is further configured to enable a correlation between said user identification and another question presented during a previous test.

48. The computer program product of Claim 40, further comprising instructions configured to enable the processor to

evaluate an answer to one of said dynamic question and said static question to create said assessment; and

provide one of said assessment and a recommendation to one of a test taker, a test creator, an employee manager, and a vendor, said recommendation corresponding to said assessment.

49. The computer program product of Claim 48, further comprising instructions configured to enable the processor to provide said recommendation based on a predetermined recommendation selection rule, said predetermined recommendation rule configured to enable a correlation between an answer provided in response to said dynamic question to said recommendation.

50. The computer program product of Claim 43, further comprising instructions configured to enable the processor to

create said predetermined test creation rule; and

store said predetermined test creation rule in said memory.

51. The computer program product of Claim 45, further comprising instructions configured to enable the processor to

create said predetermined question selection rule; and

store said predetermined question selection rule in said memory.

52. The computer program product of Claim 49, further comprising instructions configured to enable the processor to

create said predetermined recommendation selection rule; and

store said predetermined recommendation selection rule in said memory.

53. The computer program product of Claim 39, further comprising instructions configured to enable the processor to

create said stem question and one of said stem formula, said stem question range, said stem question variable, and said stem question constant; and

store said stem question and one of said stem formula, said stem question range, said stem question variable, and said stem question constant in said memory.

54. The computer program product of Claim 49, further comprising instructions configured to enable the processor to  
provide a recommendation to purchase a product.

55. The computer program product of Claim 54, further comprising instructions configured to enable the processor to  
receive and store payment information.

56. The computer program product of Claim 48, further comprising instructions configured to enable the processor to  
store said answer to one of said dynamic question and said static question in the memory.

57. The computer program product of Claim 39, further comprising instructions configured to enable the processor to  
receive a request for a group assessment and a group identifier; and  
present a group assessment comprising a plurality of assessments, each of said plurality of assessments including one of

- a unique stem question,
- a common stem question,
- a common stem question range,
- a common stem question variable, and
- a common stem question constant.